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APPLICATION NO). 1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/883,082		06/15/2001	Jose Joaquin Garcia-Luna-Aceves	UC00-350-2US	8652
8156	7590	03/29/2005		EXAMINER	
	O'BANIO	- :	PIZARRO, RICARDO M		
O'BANION & RITCHEY LLP 400 CAPITOL MALL SUITE 1550				ART UNIT	PAPER NUMBER
SACRAM	ENTO, CA	A 95814	2661		
				DATE MAILED: 03/29/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Summary	09/883,082	GARCIA-LUNA-ACEVES ET AL.					
Onice Action Summary	Examiner	Art Unit					
	Ricardo Pizarro	2661					
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the o	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a replied in the period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tirely within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed /s will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 15 J	lune 2001.						
	s action is non-final.						
3)⊠ Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application	٦.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.	·· ——						
7)⊠ Claim(s) <u>1-20</u> is/are objected to.							
· · · · · · · · · · · · · · · · · · ·	Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
9) The specification is objected to by the Examin	er						
· _							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
• • •	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
	1) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	n priority under 35 LLS C & 119/a) (d) or (f)					
a) ☐ All b) ☐ Some * c) ☐ None of:	in priority drider 33 0.3.0. § 119(a)-(a) 61 (1).					
Certified copies of the priority document Certified copies of the priority document		ion No					
3. Copies of the certified copies of the price	• •						
	•	sa in this National Stage					
* *	application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	5) Notice of Informal F 6) Other:	Patent Application (PTO-152)					

DETAILED ACTION

 This application is in condition for allowance except for the following formal matters:

For better reading of the claims, it is suggested to applicant:

In claim 1 line 3 replace "the next hop" with –a next hop-, in line 4 insert "said" before -neighbor- and before –destination-.

In claim 5 line 3 replace "the next hop" with -a next hop. .

In claim 8 line 3 replace "the next hop" with -a next hop-.

In claim 11 line 3 replace "the next hop" with –a next hop-, in line 4 replace "the path " with –a path -

In claim 14 line 3 replace "the next hop" with – a next hop-, in line 4 replace "the path " with – a path-.

In claim 16 line 3 replace "the next hop" with –a next hop-, in line 4 replace "the path" with – a path-.

In claim 18 line 3 replace "the next hop" with – a next hop-, in line 4 replace "the path" with –a path-.

In claim 20 replace "the next hop" with – a next hop-, in line 4 replace "the path" with –a path-.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

2. Claims 1-20 are allowed.

Examiner's statement of reasons for Allowance

3. The following is an examiner's statement of reasons for allowance: For claims 1, 5, 8 and 14 no prior art of record was found for a method for routing data packets in a wireless network at a node i comprising selecting a neighbor p as the next hop in a route from node i to destination j if, the path from said neighbor p to destination i does not include node i and does not repeat any node, and D'yp < D'yx wherein D'yp is the distance value of the route from node i to node y through neighbor p and D'yx is the distance value of the route from node i to node y through neighbor x

For claims 11, 16 and 18 no prior art of record was found for a method for routing packets in a wireless network at a node I comprising selecting a neighbor p as the next hop in a route from node I to destination j if the path from neighbor p to destination j does not include node I and does not repeat any node, D'yp < D'yx wherein D'yp is the distance value of the route from node i to node y through neighbor p and D'yx is the distance value of the route from node i to node y through neighbor x., sending a unicast routing update from a node to a neighbor if the neighbor is upstream form the destination.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US patent No. 6,836,463 (Garcia-Luna-Aceves) discloses a system for communication labeled routing trees to establish preferred paths and source routes, wherein the a path from node c to node f, does not include d (fig. 2c).

US patent No. 6,816,460 (Ahmed) discloses location based routing, wherein Dyp<Dyx for any other neighbor x and for all nodes y in the path from destination to neighbor (col 5 lines 14-19)

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306

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(for formal communications intended for entry, for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to 220 South 20th Street, Crystal Plaza Two, Lobby, Room 1B03, Arlington, Va 22202 (Customer Window).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Ricardo Pizarro** whose telephone number is (571) 272-3077. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:30 PM. The fax number for this Group is (703) 872-9306.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Chau Nguyen** can be reached on (571) 272-3126.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

12 March 2005

Ricardo M. Pizarro

CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600